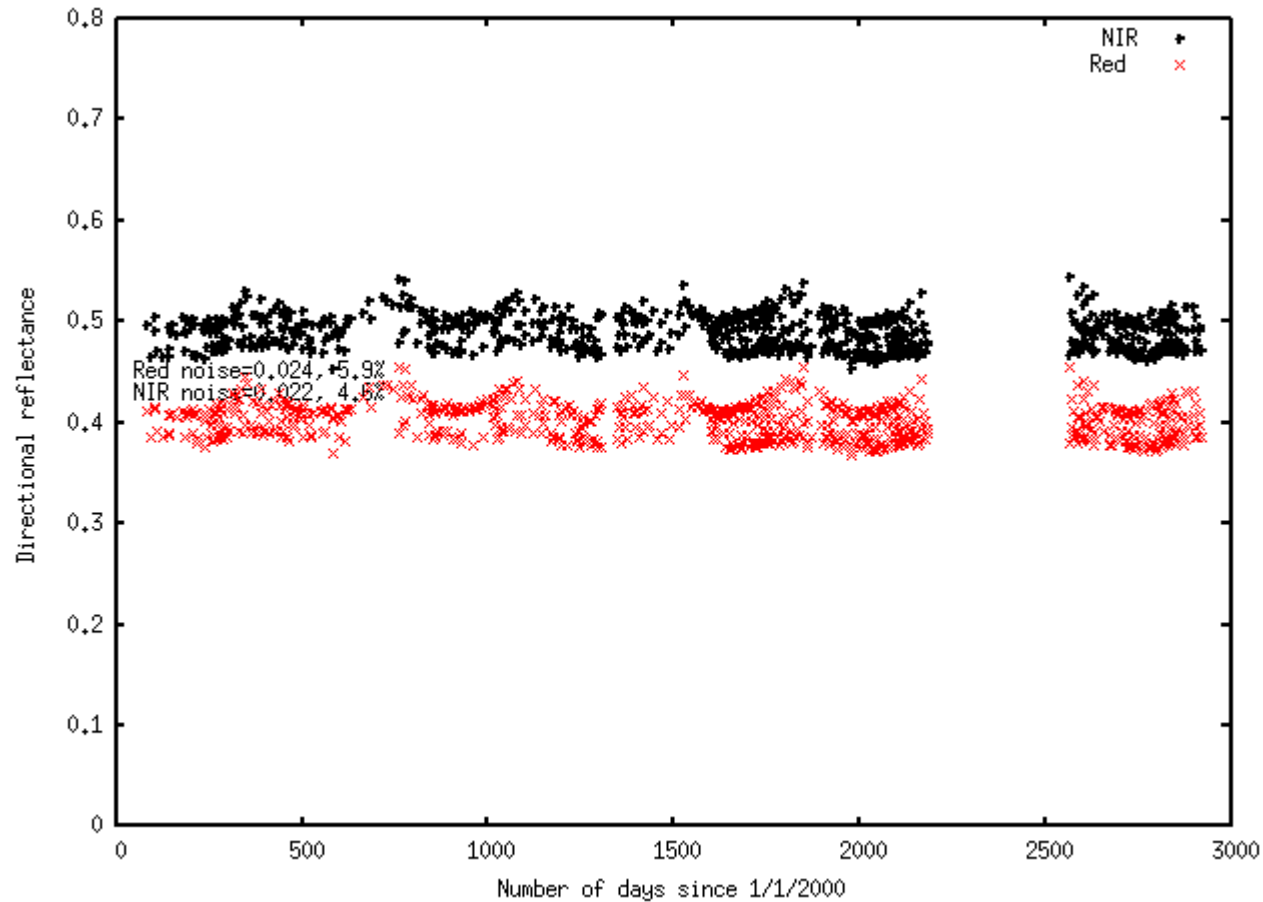


Terra/Aqua band 1 and 2
calibration evaluation over Libyan
desert site

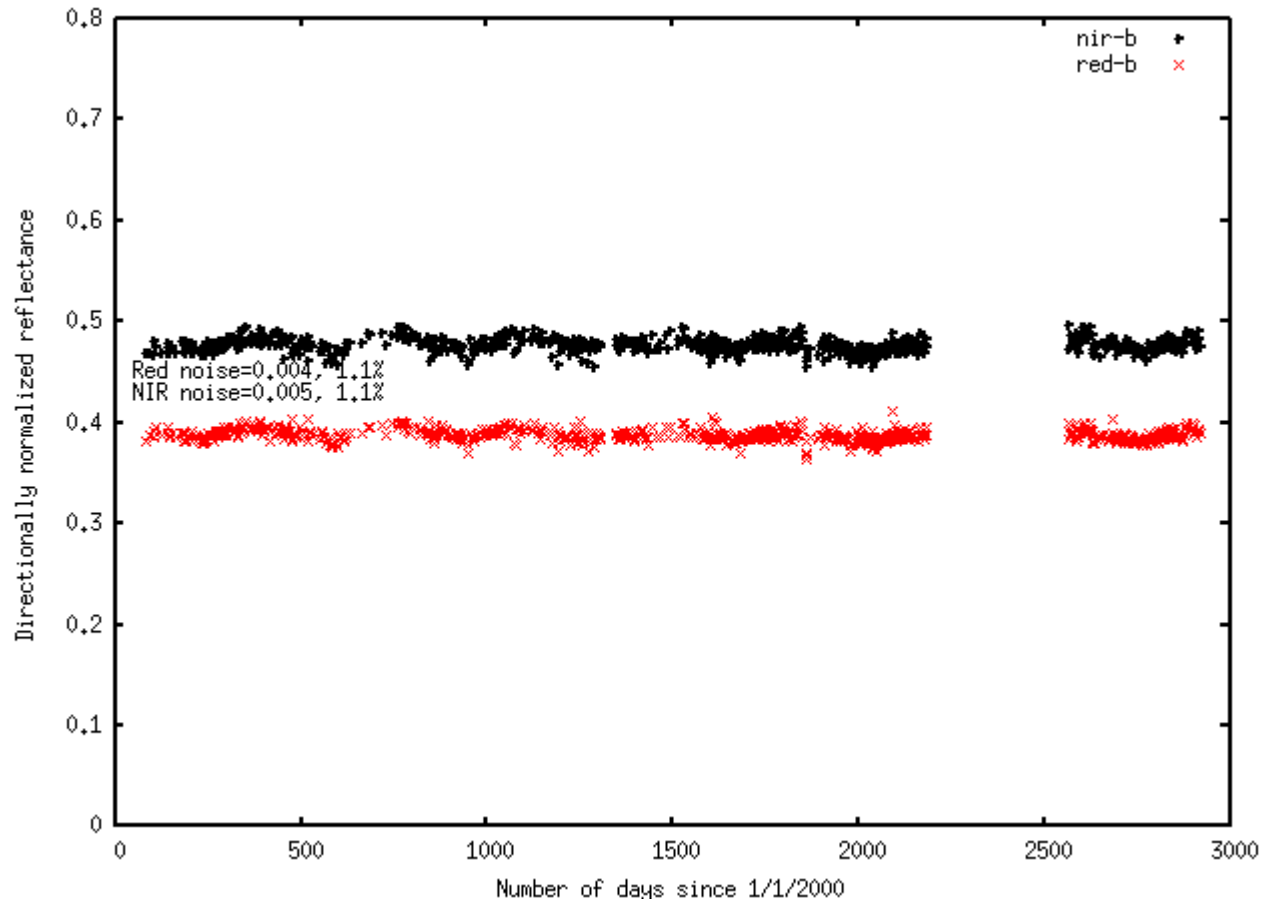
Eric Vermote

Terra band 1 and band 2 directional surface reflectance

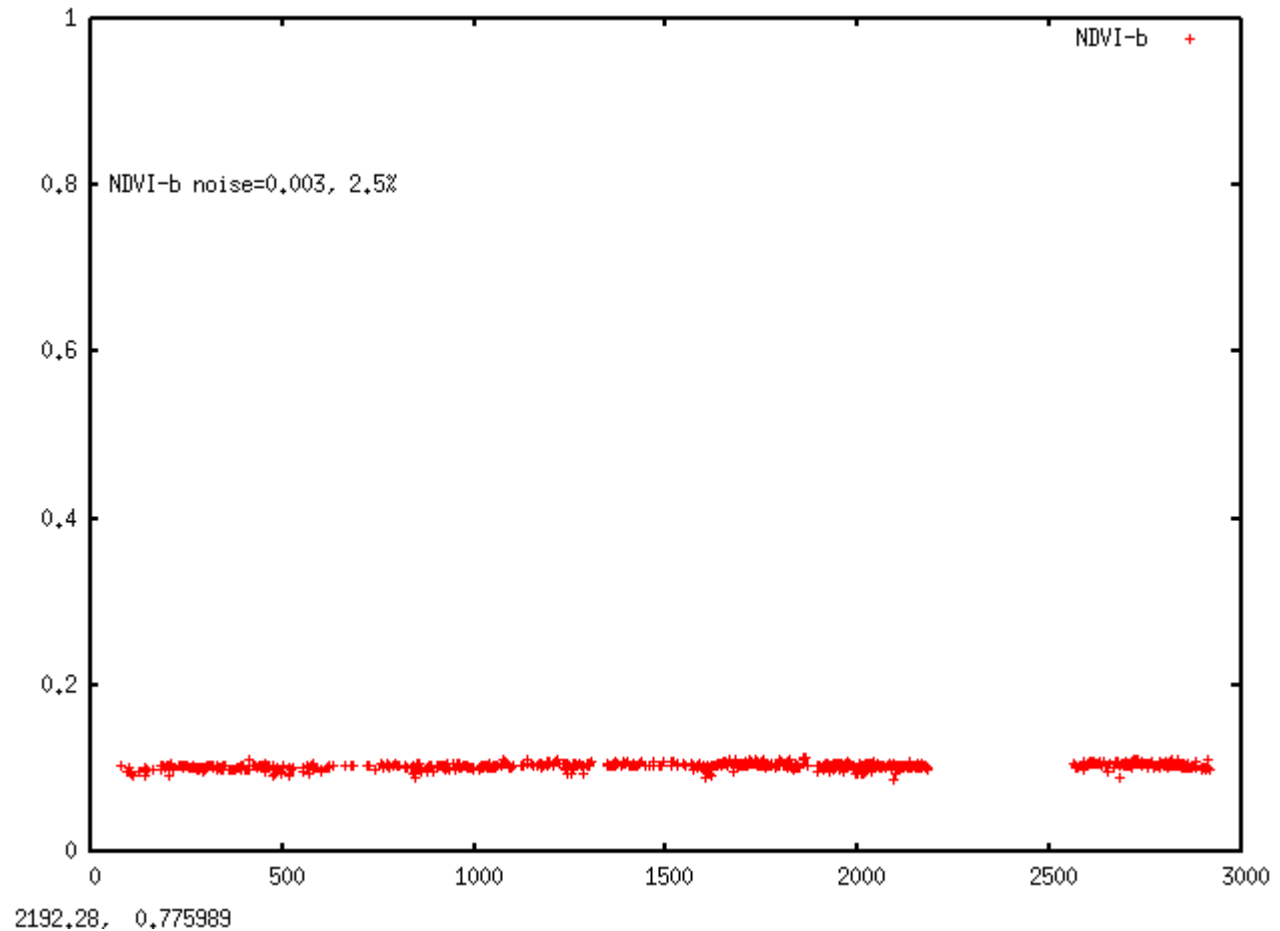


1336.61, 0.844844

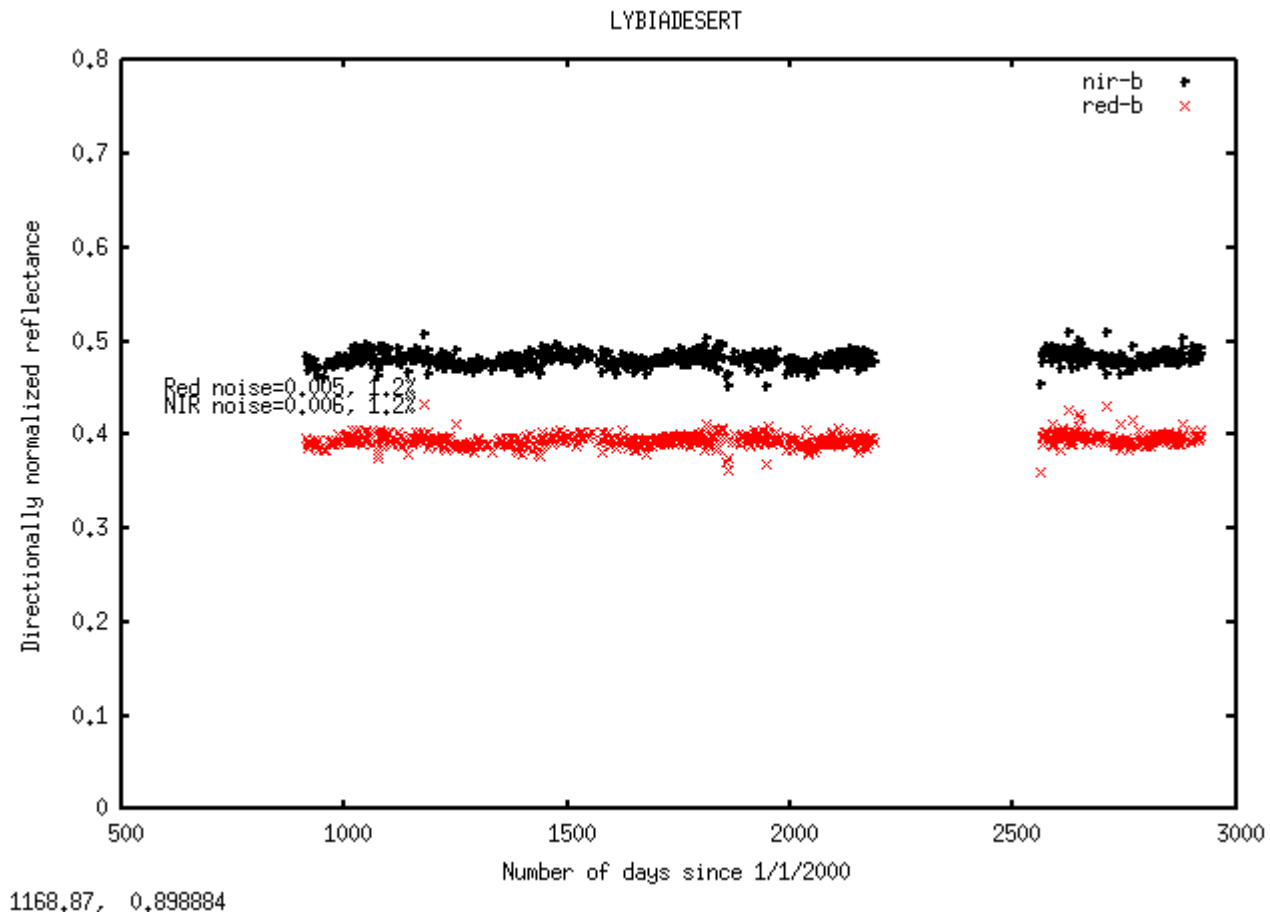
Terra band 1 and band 2 surface reflectance normalized for BRDF at nadir view and solar zenith angle of 45 degrees.



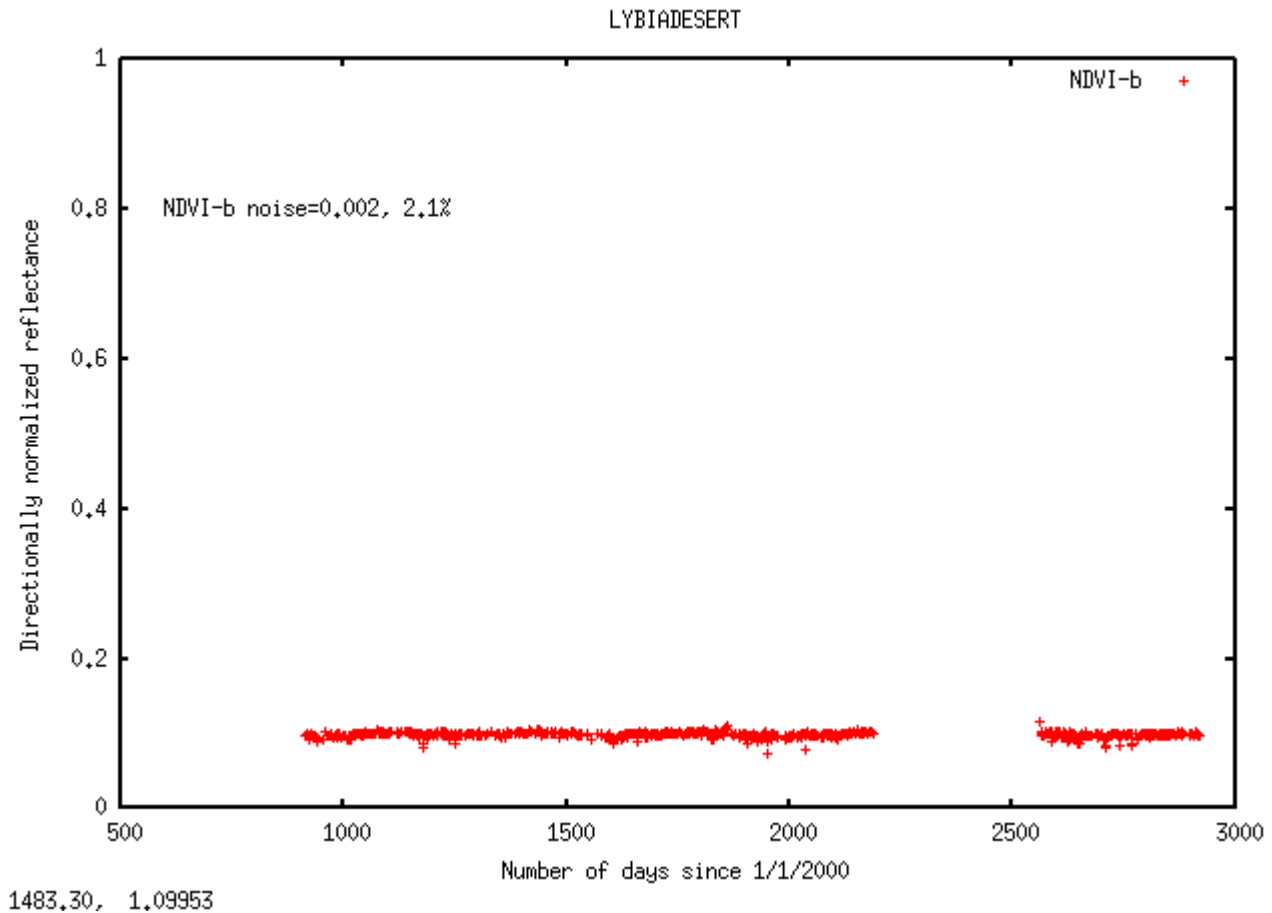
Terra NDVI computed from band 1 and band 2 surface reflectance normalized for BRDF at nadir view and solar zenith angle of 45 degrees.



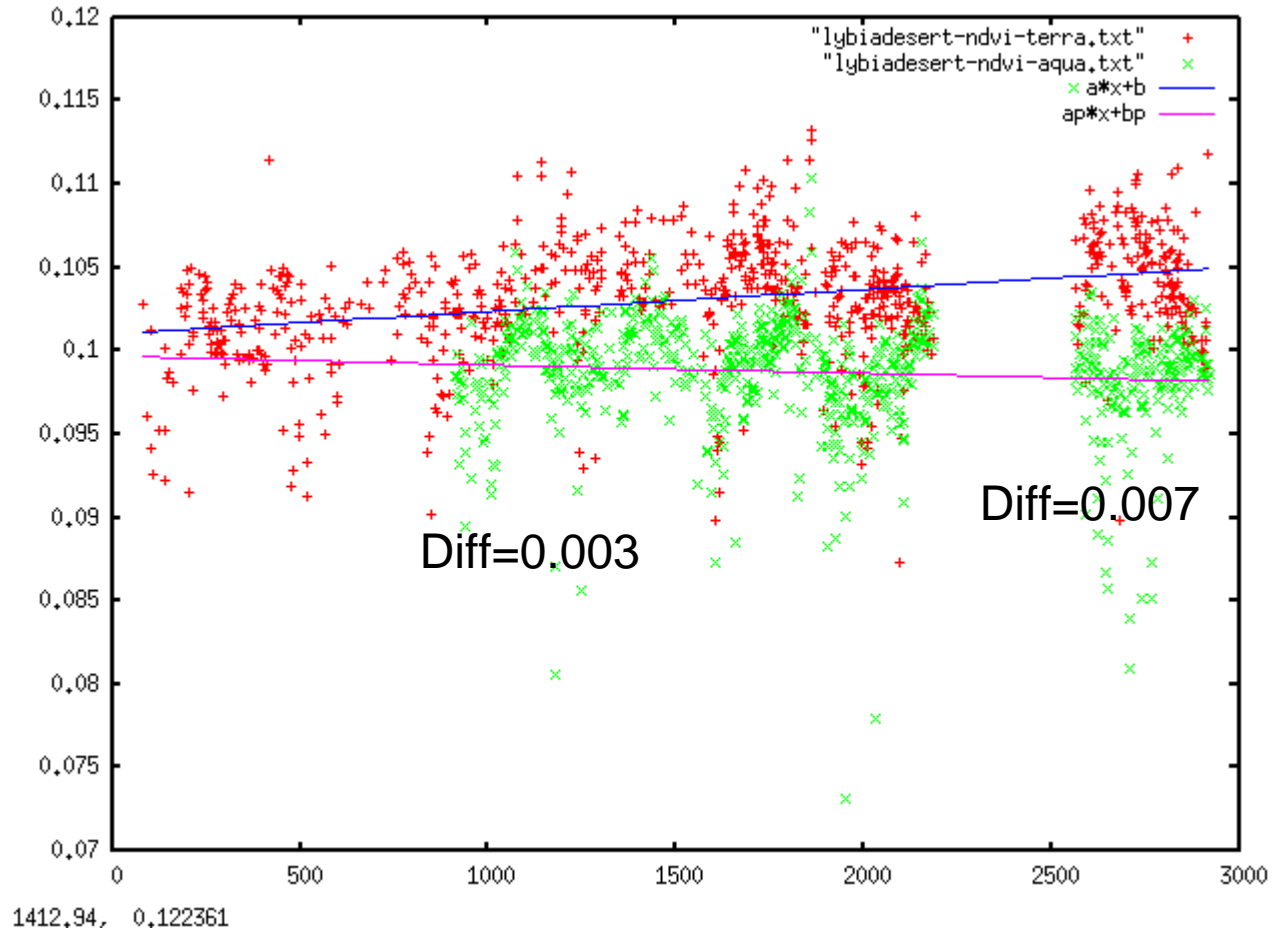
Aqua band 1 and band 2 surface reflectance normalized for BRDF at nadir view and solar zenith angle of 45 degrees.



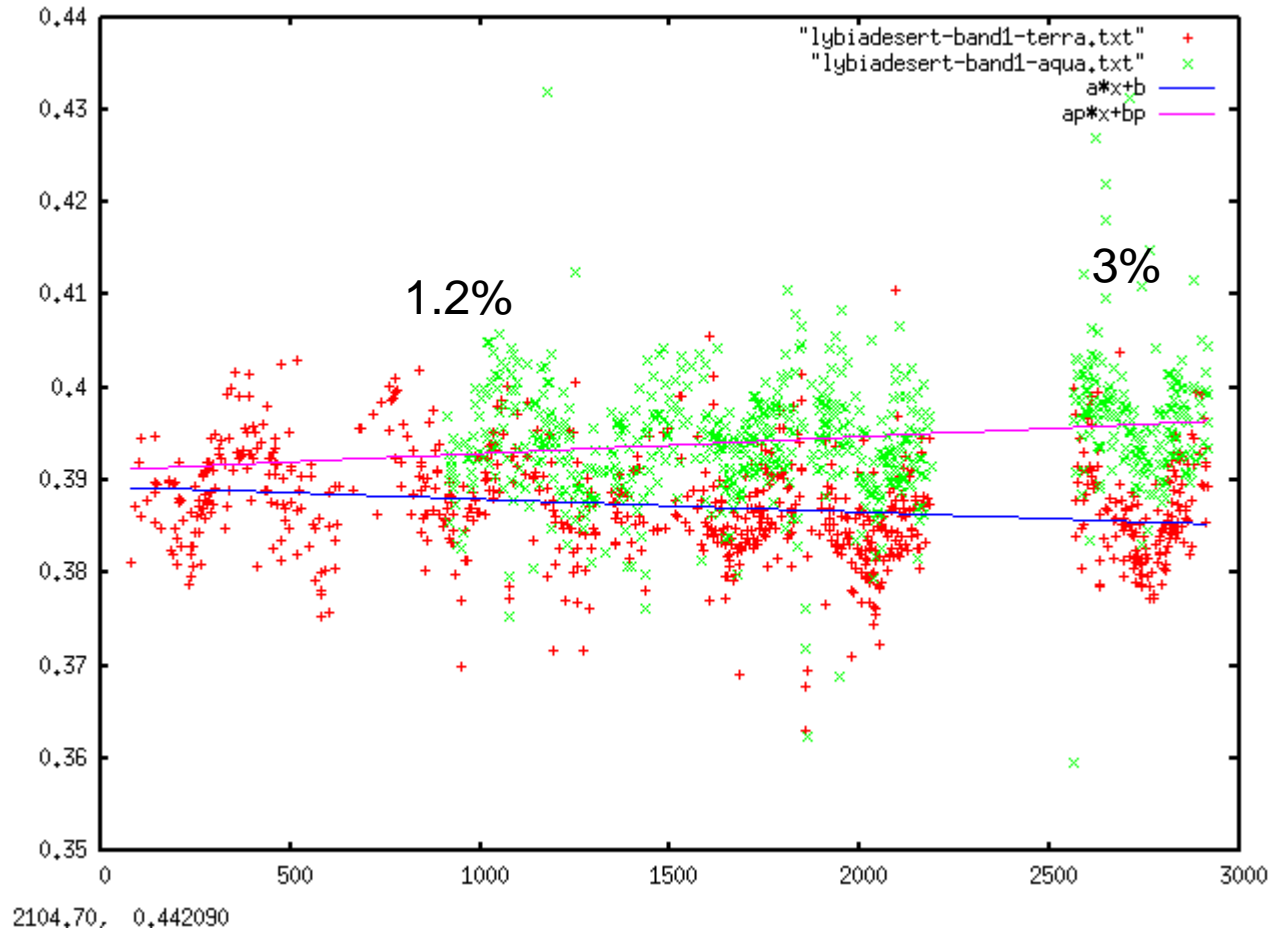
Aqua NDVI computed from band 1 and band 2 surface reflectance normalized for BRDF at nadir view and solar zenith angle of 45 degrees.



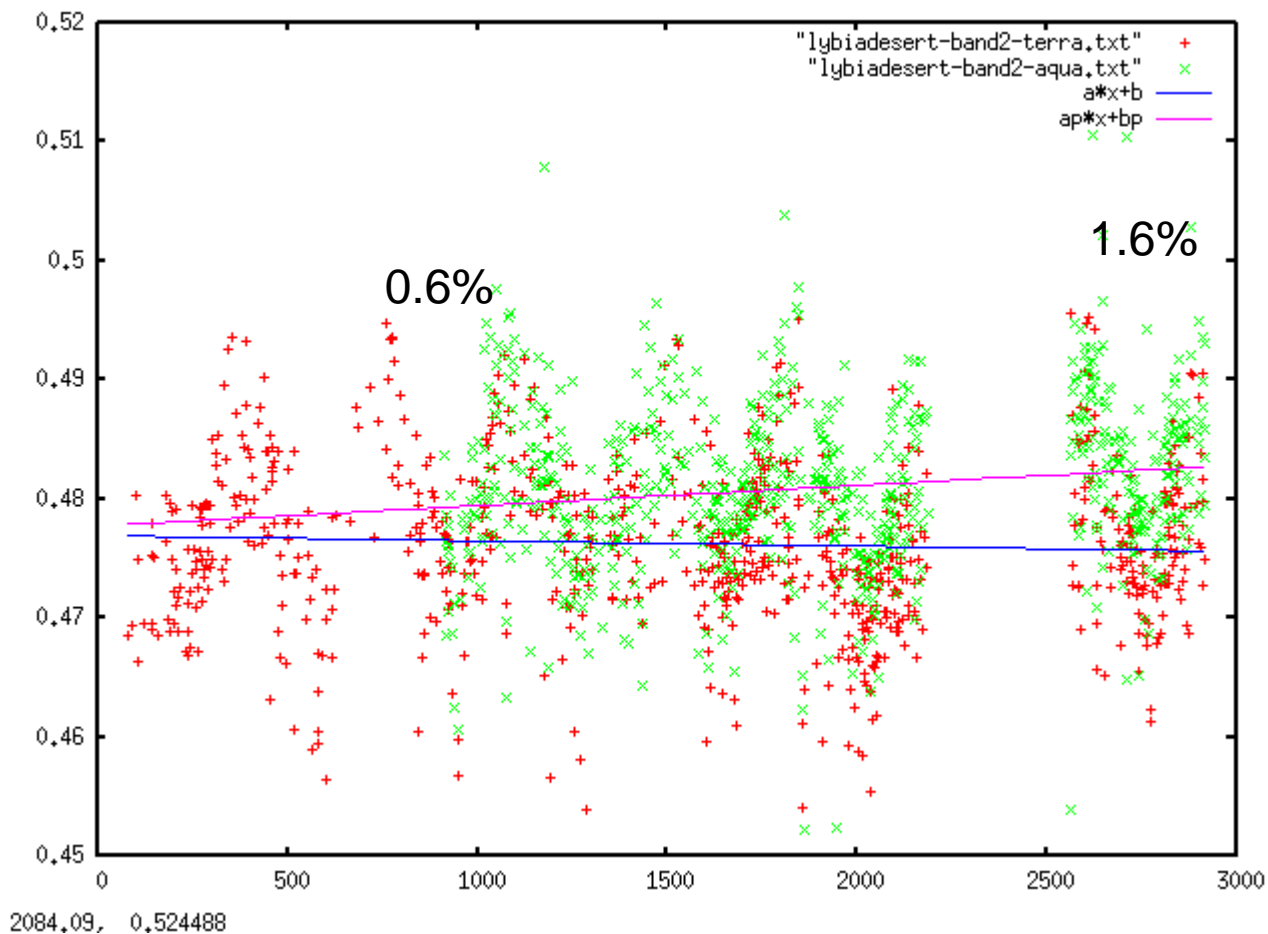
Comparison of Terra and Aqua NDVI



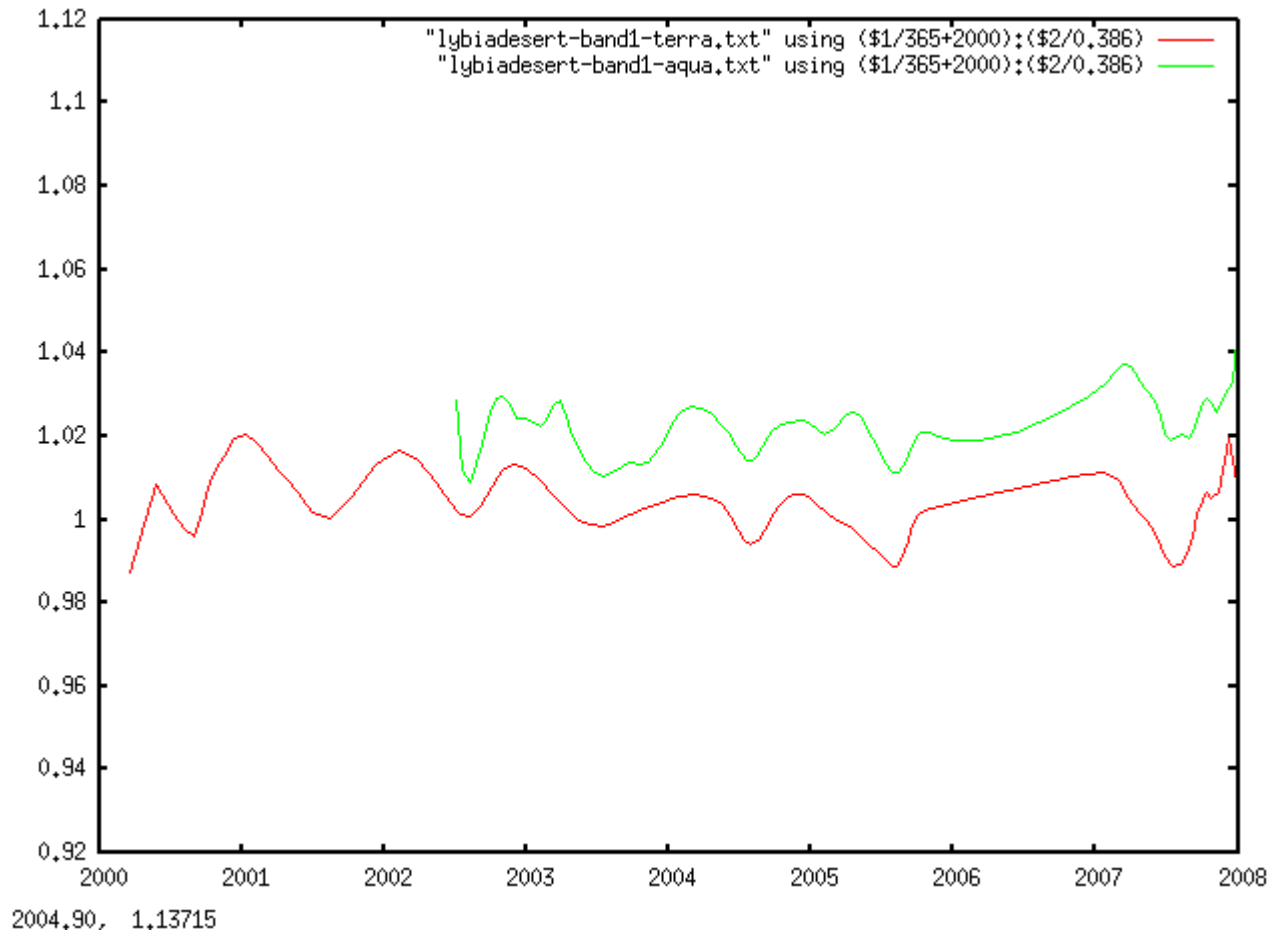
Comparison of Terra and Aqua band1



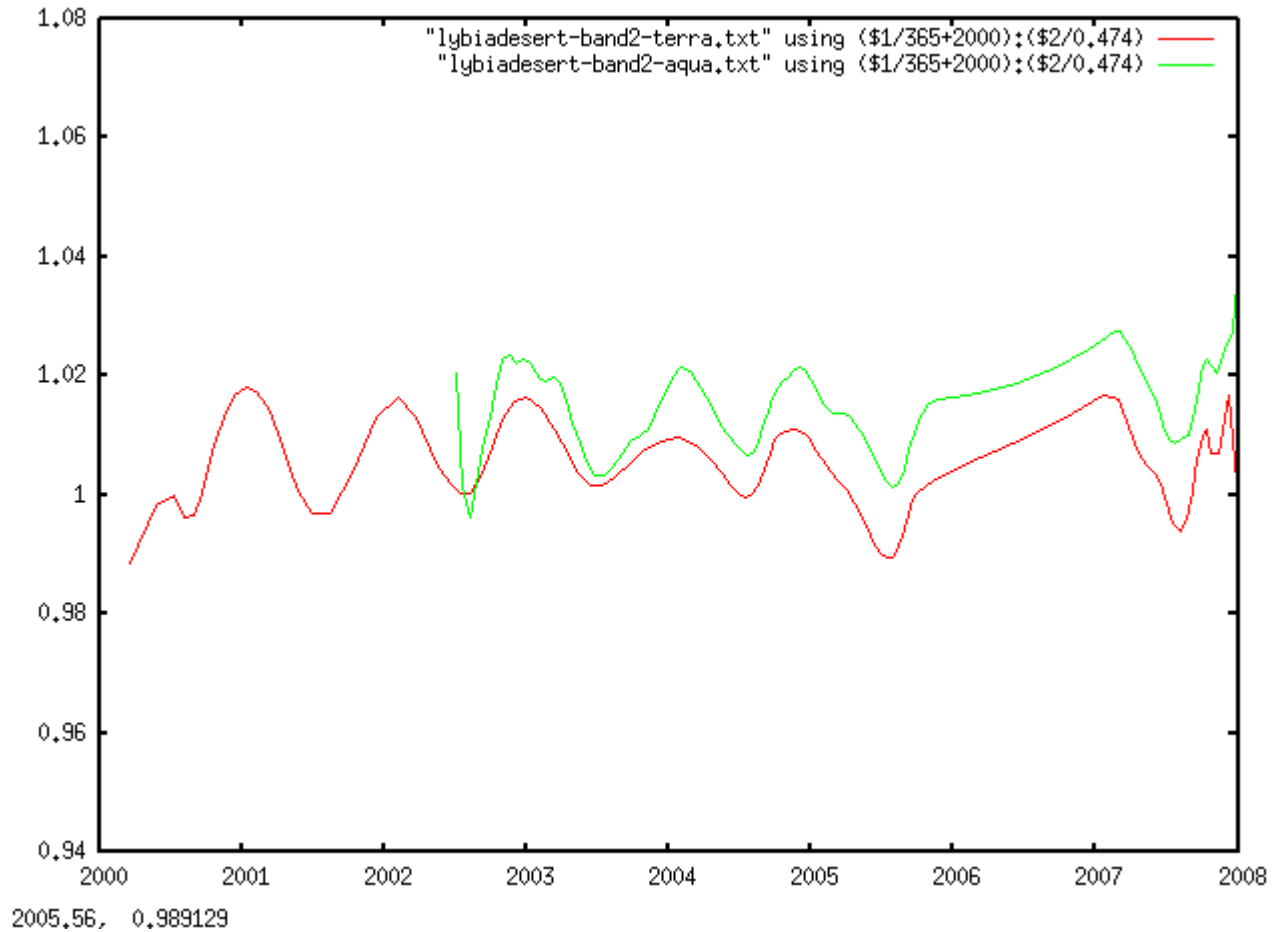
Comparison of Terra and Aqua band2



Band 1 smooth data



Band 2 smooth data



Conclusion

- The systematic difference are making Aqua and Terra less and less comparable and needs to be investigated further